

QUA•RAE

ERIE'S FINEST AMATEUR RADIO NEWSBULLETIN.

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DON'T FORGET JUNE 9TH: ANNUAL AUCTION AT THE "VALDAMEER"

RADIO ASSN. OF ERIE, INC.
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WATCH FOR 1973 MEMBERSHIP ROSTER (see Final-Final)

RAE MINUTES

March 1, 1973

The meeting was called to order at 8:00 PM by K3QAY.
Officers present: K3QAY, K3NAU, WA3HSR, and WA3EAY.
Directors present: WA3HSR, W3SN, W3NFM.
The minutes of the February meeting were approved as read.
The treasurer's report indicated a balance of \$313.42.
A motion to pay new bills was heard from the floor and approved.

CORRESPONDENCE

- 1) Repeater Bulletin, CARS, NARC, Three Rivers ARC, Lake Rangers, and ARRL Affiliated Club Bulletin were introduced to those present.
- 2) The following new 1973 memberships: WA3PUI, W5KLV, K3SBU, WA3LSY, WA3KAZ, W3DKL, K3WOL, W3ZB, W3TXZ, W3KFH, W3KPJ, and WA3BBV.

COMMITTEES

QUA-RAE - WA3HDK reported that the March issue was running about one week late. Bob said plans were to assemble this weekend.

REPEATER - K3QAY and K3NAU reported that the final smoke test was being given to the new final amplifier and so far it has been successful. It is being used by K3ATZ for continuing tests.

AUCTION - WA3HDK reported that June 9, 1973 had been selected as the firm date for this year's auction. The site will be at the large picnic shelter at Waldameer Park. A motion was heard to accept this location and it was carried. Bob also pointed out that rules would be similar to past auctions, but stronger enforcement of the first come first on the block rule was necessary. Times are to be announced later.

FIELD DAY - It was announced by K3QAY that W3YWL had accepted the post as chairman and was looking for help and firm operation schedules.

HAMFEST - WA3HDK moved for K3VIP, "that the RAE underwrite the costs of a TV set and an entertainment product (ie. portable color TV) for use as hamfest prizes not to be purchased more than 30 days prior to the Hamfest for a total of about \$400.00." After some discussion the motion was carried on and carried. Bob also moved, "that the RAE purchase a 1973 calendar with supplementary issues." This was also carried and the secretary was instructed to make the purchase.

ACTIVITIES - K3NAU listed the following activities:

- March 15 - K3HFL, "Oscilloscopes" at Reserve Center.
- April 19 - Ray Eller, "Radiolite theory and Design." at Reserve Center.
- May 17 - Tour of Hamot Medical Center, "Electrical Medical Technology"
- July, 1973 - TENTATIVE Willie Manola, W3WBA.
- August 18 - TENTATIVE RAE Picnic.

NETS - K3NAU reported on the success of the newly formed two meter MERET Net. Chuck also told of plans for better net liason in the future.

There was no old business when called for.

(Continued on page 3)

RADOLITE PRESENTATION IS APRIL ACTIVITY

Coming up this month will be a real treat for Erie area amateurs. At the April Activities Meeting, Mr. Ray Eller, president of Radio Emergency Light Company, (Better known in the Erie area as "Radolite"), has consented to address the RAE membership about his extremely unique business.

Relco has been in business for a number of years, yet to many in Erie its' workings and products are somewhat of a mystery. To some, it may be those funny loaded groundplane antennas and blinking lights atop seemingly every traffic light in town. Yet to others, those in the business of saving life and property in the area, it is not only a necessity, but a Godsend to help carry out their work with safety and efficiency.

There is far more to Relco's product than meets the eye. Sure, there is some sophisticated electronics which would interest the radio amateur, behind the flashing light, but the electronics is only a part of the whole scheme of things. Relco conscientiously provides both the customer and the community with a program designed to educate both parties on how to maximize the benefits

from the system. To the motorist, it means learning what to do when you see the flashing white light; and to the user of this emergency traffic control system, it means learning to use it properly and wisely.

At our meeting on the 19th of this month, Ray will address his comments to the concept of the system as a means of emergency traffic control, with a general technical description of the electronics involved provided by Ken Milks, W3MED, who has been working with the company since it first began. To those who may be interested, these fellows are too smart to give away any trade secrets, but I am sure Ken will give us enough info to explain the nature of things, and plenty of food for thought to last for quite some time.

If you trust me at all, you won't miss this meeting. I will promise you it will be one of the most interesting meetings to date, and a highlight of the year. And that is going some distance! Hope to see everyone of you there on the 19th at the Armed Forces Reserve Center on Old French Road. 73 til then.

Charlie B. K3NAU

MINUTES (continued from page 2)

WA3HSR read parts from the RAE's annual report to the ARRL. Those present were reminded of the proper sequence with which to notify people of new 1973 memberships. First to be told is membership chairman, WA3KAI, next is secretary, WA3HSR, who notifies WA3EAY and deposits the money with him. It is hoped that adherence to this order will reduce or eliminate the recent questions regarding some members' status.

WA3HSR moved, "To replenish the supply of RAE stationary and envelopes to be purchased from RNS Printing." The motion was carried.

WA3HSR moved for WA3HDK, "that the RAE make payment of \$10.00 to Patte

Dillon for QUA-RAE typing." This motion also carried.

K3QAY advised the treasurer that \$25.00 from the RAE treasury was to be transferred to the repeater account as committee funds.

A motion for adjournment was heard at 9:20 PM and was carried.

Michael Hall, WA3HSR

K8RJG- Frank from Chagrin Falls, puts a good 6MTR SSB signal into Erie with a pair of 4-400's.

K3LRI- Skip you shouldn't brag to those people in Idaho about how open our winter was. Do you want the wx man to get a big head?

EC REPORTS

The month of March was rather uneventful as far as AREC goes. Four new members were signed up bringing the total to 88 for the county. Several of you have AREC application forms in your possession and I urge you to return them to me as soon as possible.

As soon as spring finally breaks, a general inventory and renovation of RAE equipment will take place. Joe, WA3MAU will perform the inventory with his master lists and all equipment must be accounted for. This will be the first inventory in five years and our goal must be to make sure all equipment is in working order and ready to go.

Because of a foul-up at the CD office, the new registration (OCT. 1972) for the COM truck was not received and had to be reapplied for. The truck is still uninspected and cannot be legally used on any drills until the new card comes through. In other CD related developments, the emergency power supply has been completely disconnected at the EOC. If we were struck by an emergency today, we would have no power facilities available. It seems that a new generator is waiting to be installed and someone is supposed to pick up the old one - but in the meantime, our efficiency drops to zero thanks to the careful planning of our CD officials! It seems to me that the "brains" down there should know better than to leave the EOC without emergency power capability.

On the positive side, the two meter rig has been installed in the main radio room with a coax feed to alternate antennas while we await our own installation. Everything seems to check out fine. A 29.000 crystal has been installed in the Viking II for LEEN operation and another crystal has been installed at the Red Cross station. It is also hoped that the new 10m ground plane can be installed at the EOC this spring. County wide coverage should result. That's about it for this month. Keep watching the Sunday column and local nets for announcements concerning the CD driveout at the end of April. 73.

Mike, WA3HSR
Erie Co. - EC

6 METER NET HAPPENINGS

TRI-STATE NET MEETS SUNDAY, 50.52, 9 PM

Net Control for the month of February was Dave WA3EZN. During the month there was a total of 36 checkins out of a possible 62. We welcomed WA3PJJ, Larry to the net and hope that he will continue to check in. We missed hearing from WA2BCA, Richie; WA3HRJ, Jim; and K3SAF Woody; but are glad to hear them checking in during March. We also missed WA2RQM, Gus; K3BLX, Les; W3KPJ, Hank; K3PBS, Lloyd and W3YLI Andy, but we hope to have them checking in again soon.

Net Control for the Month of March was Myron, W3ALD. Net manager is Doc, W3YWL. The net meets each Sunday night on 50.52 MHz at 2100 hours (9 PM). Why not dust off that 6-M rig and check in next week? Requirements for remaining on the active net roll is to check in at least once a month.

Those stations on the roll call as of the 1st of March are: K2ZYX, W2ZFE, W3ALD, K3ATZ, WA3BBV, WA3EZN, WA3EZR, K3FVO, WA3HDK, WA3JIS, W3JTF, WA3PJJ, K3QAY, W3SM, W3UCZ, W3UQE, W3YWL. We do understand however, there are some stations not listed above who re-activated during the first weeks of March. They will be on the list for next month.

Dave, WA3EZN

W3KPJ- Hank, WPA SEC passed our certificate to all those who helped with 1973 SET.

WA3PZQ/3- Paul did a fine job at his first try at NCS on LEEN.

K3HFL- Thanks go to Bud for the fine job at the March activities meeting.

K3VLP- George is said to have "something big brewing," for Field Day.

K3QHO- Word has it that Jim has been practicing his CN recently. Maybe something's brewing besides code transmissions.

TRY TELEVISION

Are you bored with making noise-free contacts on two meter F.M., or with 9-5 contact into Europe? Wouldn't you rather make faces, wave, or have your own test pattern to show your friends? You can, with ATV (Amateur Television). ATV is getting popular - including SSTV. Since we are too impatient to wait eight seconds for a still picture on SSTV, and, high frequencies offer more of a challenge, fast scan seems the "proper" way to go.

The best way to get on ATV is to use a surplus Japanese camera and a surplus UHF transceiver - RCA, Motorola, or GE all work with a small amount of conversion. The most important component is the antenna. That should be second to none. Collinear arrays seem to be the best.

We are using an RCA CMU-15 transmitter strip, grid modulated with a single transistor. The receiver is a Mallory T-V converter with a preamp. We are currently sending and receiving good pictures on 440.03 (when our antenna is working) with Ed Gubbish, W3POS, who is using similar equipment. Ed has been on the air a long time, being probably the first in Erie.

The audio for ATV can be done several different ways: FM using another band (probably 22meters), or 4.5 MHz FM audio subcarrier, which for us seems less than successful. We have some information on conversion from W6ORG, and will forward it to anyone who may be interested. The UHF converter can be a Mallory or BTB 44A, or any other converter with slight padding across each section. The whole cost should be less than half of a two meter transceiver.

So, "here's looking at you!" Get on ATV, it's new and different!

Fred, W3UCZ

K3PCI- John got an invite to play chess on 75. Now he's got to learn a new game.

SSTV.....

FOR SALE: 2M FM Base Station. 60 watt GE Prog Line, fully metered. 5 Channel. With xtals for 16-76, 19-94, 34-94, 94-94, 76-76. Bob Smith, K3WTZ, 2315 W 36 Street, Erie, 16506. Phone 833-9037.

FOR SALE: Home-brew 60 watt AM plate modulated (6146) xmitter. Bob Smith, Phone 833-9037.

FOR SALE: HW-17A Xceiver Modified for FM; Motorola 16-V FM RCVR converted to 2-M. Two Heathkit sixers, one with 12-volt P.S. Phone 538-4619 after 6 PM.

FOR SALE: Converted TEMCO Xntr. 6-M AM, 300 WATTS Also BC-640, 2m AM XNTR. 100 Watts. Fred Byrd 3429 Mingo Ave. Erie Pa. 16510. Phone 899-7946.

WANT: Manual for H-1000
#303 Bob Hooder Walden
2-6 6510

WN3SEA- Dan reports working his first DX on 150W with Hungary, Yugoslavia, and England.

W3IRS-Frenchy sends his contribution for QUA-RAE and enjoys the reading. Frenchy is the state ARMY MARS director.

WN3UBV- John has registered his station for AREC. How about you?

MAY ACTIVITY MEETING PLANS ANNOUNCE

Just got off the phone with Wil Monola, W3WBA, of Mini-Products, and he has agreed to tell us about his new Hybrid-Quad Beam antenna at the activities meeting next month, May 19th. May Just rival this month's meeting for popularity! He said he had reviews from a Dutch and a Japanese Amateur Radio Magazine on his new antenna. Maybe he will have them translated by next month. Seems the Japs have very little space for anything, - let alone antennas - so the Mini-Beam is a natural. 73 Again.,

LOVE, Charlie
K3NAU, Charlie

PREZ SET

Well fellas, I finally made time to write an article. We had our usual 15% of the members present at the club business meeting on Thursday, March 1st. This isn't too bad a turn out for a non-profit voluntary organization, but it is too bad that 85% of the members expect someone else to do all the work while they sit home and read about it in QUA-RAE. The inactive membership doesn't even send in a "Stray" once in awhile or let us know they receive QUA-RAE. This will all be rectified in a few months since we cannot find anyone to take the job of Editor and QUA-RAE will be no more. Strange that no one except Bob Bair, WA3HDK, is able to do this job and we have over 100 members. Bob will be away for a year and cannot continue the editing job. However, the majority rules in this organization and it appears that the members want the biggest bargain they receive to be discontinued. So be it!

As long as I am in such an optimistic mood I might as well relay a phone message I received today. You will note in the minutes of the business meeting that George Dickey, K3VLP, has received permission to purchase two raffle prizes (approx. \$100.) for the Hamfest within 30 days of the occasion which will take place this fall. We have only \$300. in the treasury at the present and the general opinion was that it is much to early to purchase the prizes. It seems that George can't print tickets without first securing the equipment and that he tried this in the past and had a difficult time breaking even at the Hamfest. His claim is even if we sent each member tickets to buy or sell for us, that 50% of the tickets would be returned unsold and those not returned present an accounting problem. He therefore asked to be relieved as chairman of the Hamfest. He also voiced a complaint that members are not sending their dues first to C. Manross WA3KAI, membership chairman, who relays them to the treasurer in accordance to State law. Therefore, some moneys are not properly handled or accounted for, or some persons who have paid don't receive QUA-RAE.

Since George is Chairman of the Board of Directors, I listened to this conversation for about 20 minutes before I said "Goodbye" and hung up the phone in the middle of his complaints. I failed to obtain any constructive words of criticism during the conversation and any methods I suggested to eliminate the problems were promptly rejected.

Now you may ask why I burden the entire membership with this childishness. The answer is very simple. This is exactly the type of cooperation which is not needed in any organization. If it continues the organization is doomed and will die or spawn other groups who believe in a team effort to accomplish their goals. No individual is infallible and together we are smarter than any one of us. The problem is that we have over 100 members but the team is only 15 strong and cannot function to the best interests of all when over 85 members sit back and fail to support the team or help when help is desperately needed. The next step of course is to criticize the efforts of the team when things go wrong.

NOT ALL IS GOING WRONG with the RAE as you will note on the activities calendar. Why not chip-in and help at the Auction, or the fall picnic, the Hamfest if we have one, or certainly sign-up for Field Day and attend our meetings. We need the second team in action - not on bench. Your 2M Repeater Group is an excellent example of team action and cooperation. It can be done - but only by the members. 73

K3QAY "Bennie"

WA3HJC/TF - Lee may soon be searching 20 meters for push-pull into Erie.

K3PAJ- Frank finally quit knocking the RAE. He even finds it more stable than the HQ110.

W3FIX- Dick thought all was lost. Then he found those DX contest log sheets.

W3LOS - Leo's guidance helped the WPA net have a successful SET exercise.

REPEATER COMMITTEE MEETING March 8, 1973

Place: Red Cross Building

Meeting was called to order at 200:00 by K3WTZ.

Minutes were read and approved

Treasurers report balance \$167.81.

OLD BUSINESS

K3ATZ submitted a bill for \$6.89 for parts for the exciter. K3QHO moved we pay K3ATZ \$6.89. Voted and Passed.

K3QAY reported that the total cost of the amplifier would be \$124.05 if all the parts were bought new. The total cost of the amplifier power supply would be \$247.60 if all parts were bought new.

K3WTZ reported on the RCVR site. The TPI is back on line at the RCVR site. Some problems have been encountered with the IF strip but have been temporarily fixed. W3GHT has donated a spare IF strip which will be used for a spare.

K3ATZ read list of paid up members - presently 15 paid up.

K3QAY reported on alternate RCVR site - he is investigating various sites in the area of the microwave tower on Rte 19.

K3WTZ reported that he has a sensicon RCVR strip that could be used for a future remote RCVR. He wanted to know if the club would buy the RCVR.

W3TRT moved we buy the sensicon RCVR strip with 146.34 crystal from K3WTZ for \$30.00. Voted and Passed.

K3QAY distributed copies of an article on a 220 MHZ CB proposal.

K3QAY reported that maps have been prepared and the repeater license application is nearly complete. He asked for volunteers to be control station.

W3TRJ volunteered to be a control station for the repeater.

K3PAU reported that he is looking at the possibility of transmitting code practice on 146.52 MHZ.

Meeting adjourned 21:38

Respectfully submitted,
Jim Fitzreiter, K3QHO
Secretary, Rptr Committee

ICHN-1973. The Hoosier National Convention. Fort Wayne, Indiana. July 6-7. Marriot Motor Inn.

W3LOS - Leo's guidance helped the WPA Net have a successful SET exercise.

WA3HJC/TF - Lee may soon be searching for 20 M for push-pull into Erie.

K3PCI - John will be NCS for March LEEN Net.

W3GV-RAE club station proudly displays WSLs like 7Q7, 0X2, ZB2, 1R0, 901, and others at the ECC shack.

SSB- Curt Reynolds, WN3UCK and other amateurs at the new Milcreek Intermediate School are trying to start a club and would appreciate any gift of equipment or supplies. Call Curt at 833-0853.

K3NAU- Chuck criticized Jim's (K3MGO) quality of his mobile signal. turns out Jim had just arrived at Chuck's QTH and grabbed Chucks Gladding in his garage to let him know that he was there.

WA3PGL- Larry has been heard on six and two meters AM he says he has his address correction now and doesn't sign portable any longer.

Corry Club- We understand the Corry club is working on some electronic keyers: What's the story on that fellows?

WA3EEN- reports two meter AM activity around 145.47 MHz. Some stations being worked are W3AID, W3KTC, WA3PGL, WA3CUC. Sounds like something going on here.

WA3PGL- Larry- Union City, PA. - is working on some teletype equipment.

• APRIL 1973 •

1	2	3	4	5	6	7
				RAC K3MGO MCS MC		12BL CW"
		10 W3AN 10-11 AM 11-12 AM	11	12 RAE VEGETABLE MCS MC	13	14
		17	18	19 RAE ACTIVITY RIP-0.114 NBA-P. 10 3 PM	20 GOLD FRIDAY	21
	23	24	25	26 RAE "STAFF" MEETING	27	28 BATHING HANIFEST
	30					